

Subject: Database logins' default database shall be tempdb

05/15/01

This Engineering Technical Directive (ETD) is issued to all DAACs and labs on the ECS Project.

Issue: Some database logins are using obsolete database for default database.
Most sybase logins default to the OPS databases. This has potential for database corruption under a number of scenarios, e.g., someone running isql commands, or an application that doesn't verify existence of the database and issue sybase "use <database_name>" command. If the use command fails, the connection remains to the default OPS database. Subsequent update, delete, and insert commands could change data in the OPS database by mistake.

By setting the default database to tempdb, these types of errors and corruption of OPS or test mode databases would be prevented.

Fix: Modify all database logins to use "tempdb" as default database

Testing: Tested on a host at EDF

Implementation:

The table below lists all the hosts where the sybase servers reside:

Site	Host Name
EDC	e0acg11 e0icg11 e0ins01 e0ins02 e0msh03 e0mss21 e0pls02 e0sps04
GSFC	g0acg01 g0icg01 g0ins01 g0ins02 g0msh08 g0mss21 g0pls02 g0sps06
LaRC	l0acg02 l0icg01 l0ins01 l0ins02 l0msh03 l0mss21 l0pls01 l0sps03
NSIDC	n0acg01 n0icg01 n0ins01 n0ins02 n0msh03 n0mss21 n0pls01 n0sps08
SMC	m0mss16 m0msh03
PVC	p0acg05 p0icg01 p0ins01 p0ins02 p0msh08 p0mss21 p0pls02 p0sps06
VATC	t1acg04 t1icg03 t1ins01 t1ins02 t1msh01 t1mss06 t1pls01 t1sps02

- (1) The sybase server name is the <hostname>_srvr. Login to each sybase server as 'sa' using the command:

isql -Usa -S\$DSQUERY

where \$DSQUERY stands for the sybase server name.

- (2) Identify the logins that do not use 'tempdb' as its default database using the command:

select name, dbname from syslogins where dbname <> 'tempdb'
go

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(3) For each login except 'sa' and 'probe' that is in the list from step (2) modify its default database. Use the following sybase stored procedure to change the default database to tempdb:

```
sp_modifylogin <login_name>, defdb, "tempdb" ;  
go;
```

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